Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/17/2022 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123719	-2	1.65	123572	1.63
Blue	F	SSC	125000	123905	-1	3.20	124405	3.14
Blue	E	FITC	15860	15460	-3	2.28	376	14.09
Blue	D	PE	27718	27512	-1	1.77	639	10.31
Blue	B	PerCP-Cy5-5	38046	37018	-3	3.00	1011	14.49
Blue	A	PE-Cy7	26092	26022	-1	4.80	511	30.32
Red	C	APC	49104	48783	-1	2.65	1716	11.28
Red	A	APC-Cy7	28201	27899	-2	3.00	734	12.46
Violet	B	V450	9904	9407	-6	3.96	523	12.07
Violet	A	V500	39004	37820	-4	3.58	987	9.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23640	1.91	561	-8	N/A	N/A	Pass
Blue	F	SSC	55373	1.76	518	-10	N/A	N/A	Pass
Blue	E	FITC	58	54.24	488	-3	0.0419	51	Pass
Blue	D	PE	126	37.07	494	-2	0.4027	274	Pass
Blue	B	PerCP-Cy5-5	139	44.33	584	-5	0.0213	94	Pass
Blue	A	PE-Cy7	65	90.25	628	-4	0.0219	0	Pass
Red	C	APC	331	26.51	578	-3	0.0289	185	Pass
Red	A	APC-Cy7	97	42.10	551	-4	0.0059	924	Pass
Violet	B	V450	85	49.99	466	8	0.0497	1907	Pass
Violet	A	V500	125	37.65	478	9	0.0273	2526	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/17/2022 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.22	-31.93	0.99
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.25	13.90 - 20.86	N/A	N/A	30.28	30.45	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9542

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments